

166923,00062

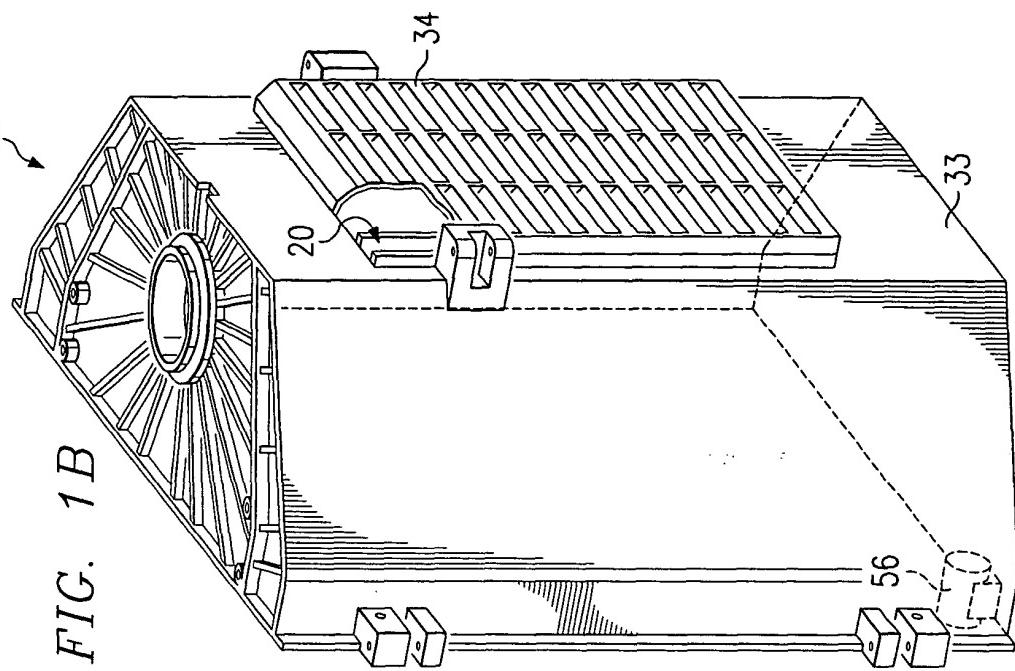


FIG. 1B

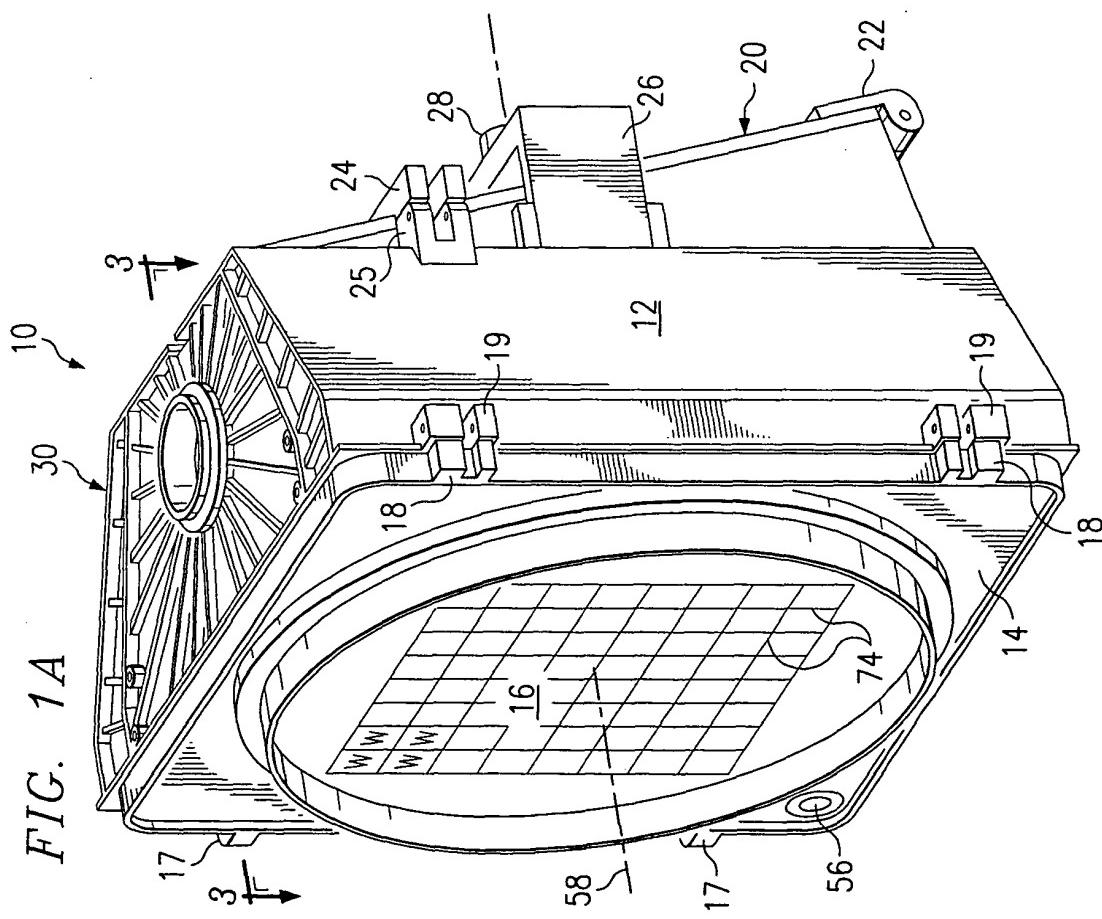


FIG. 1A

106923.00062

FIG. 2B

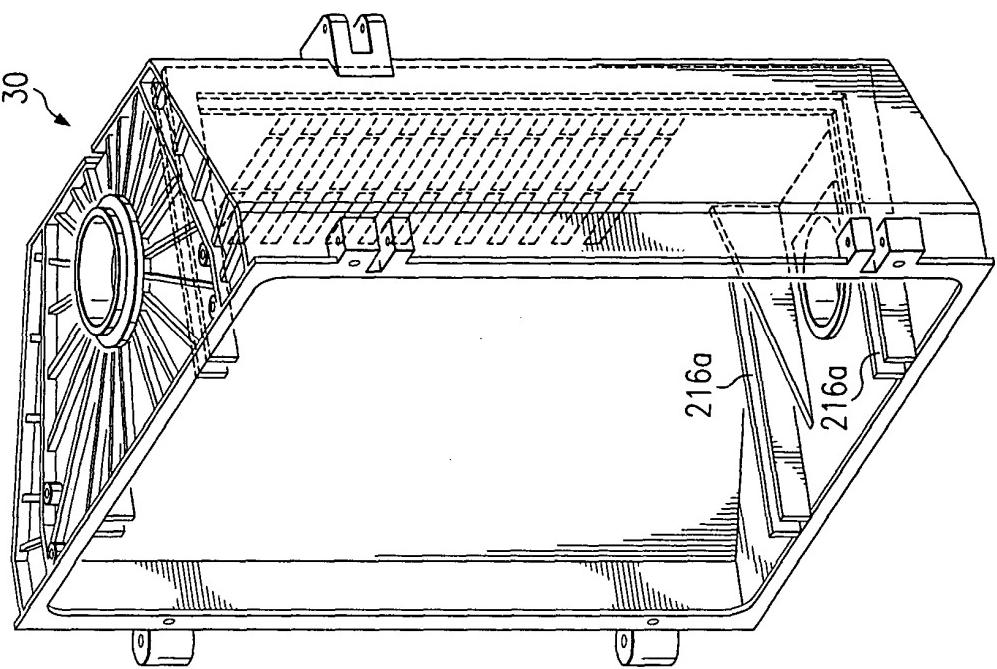
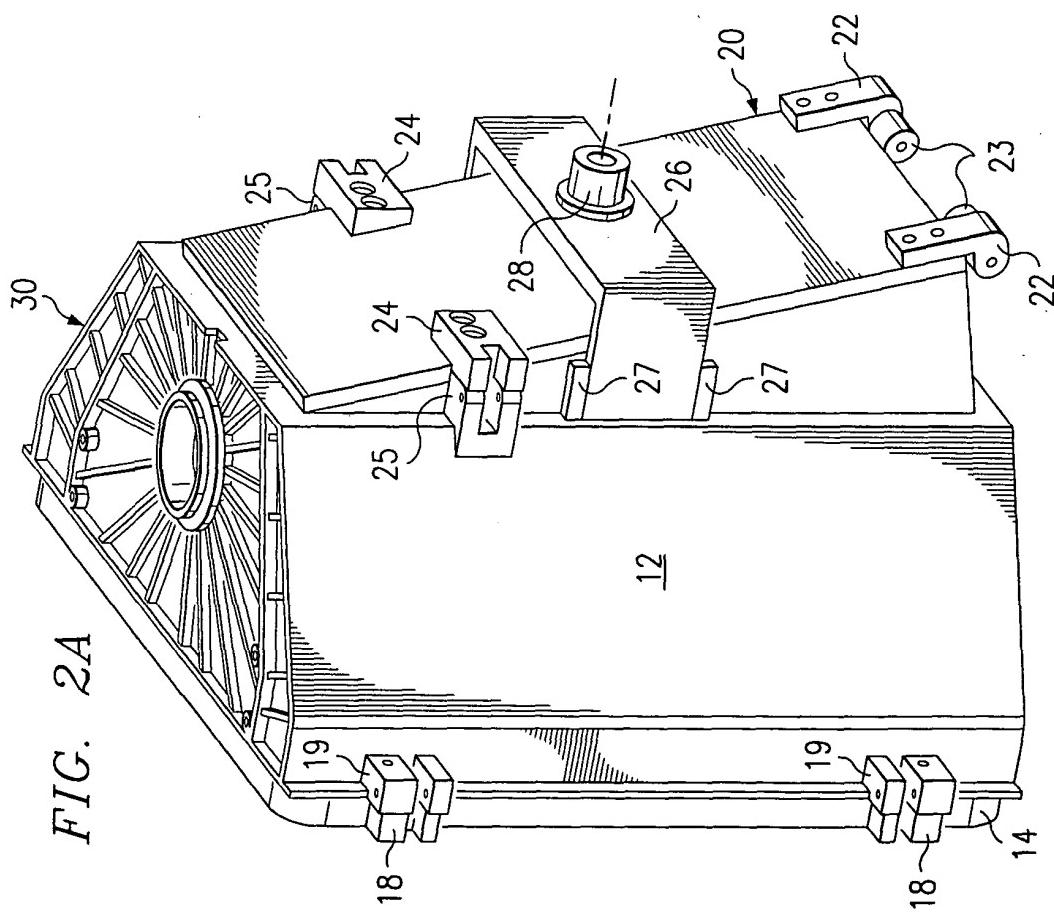
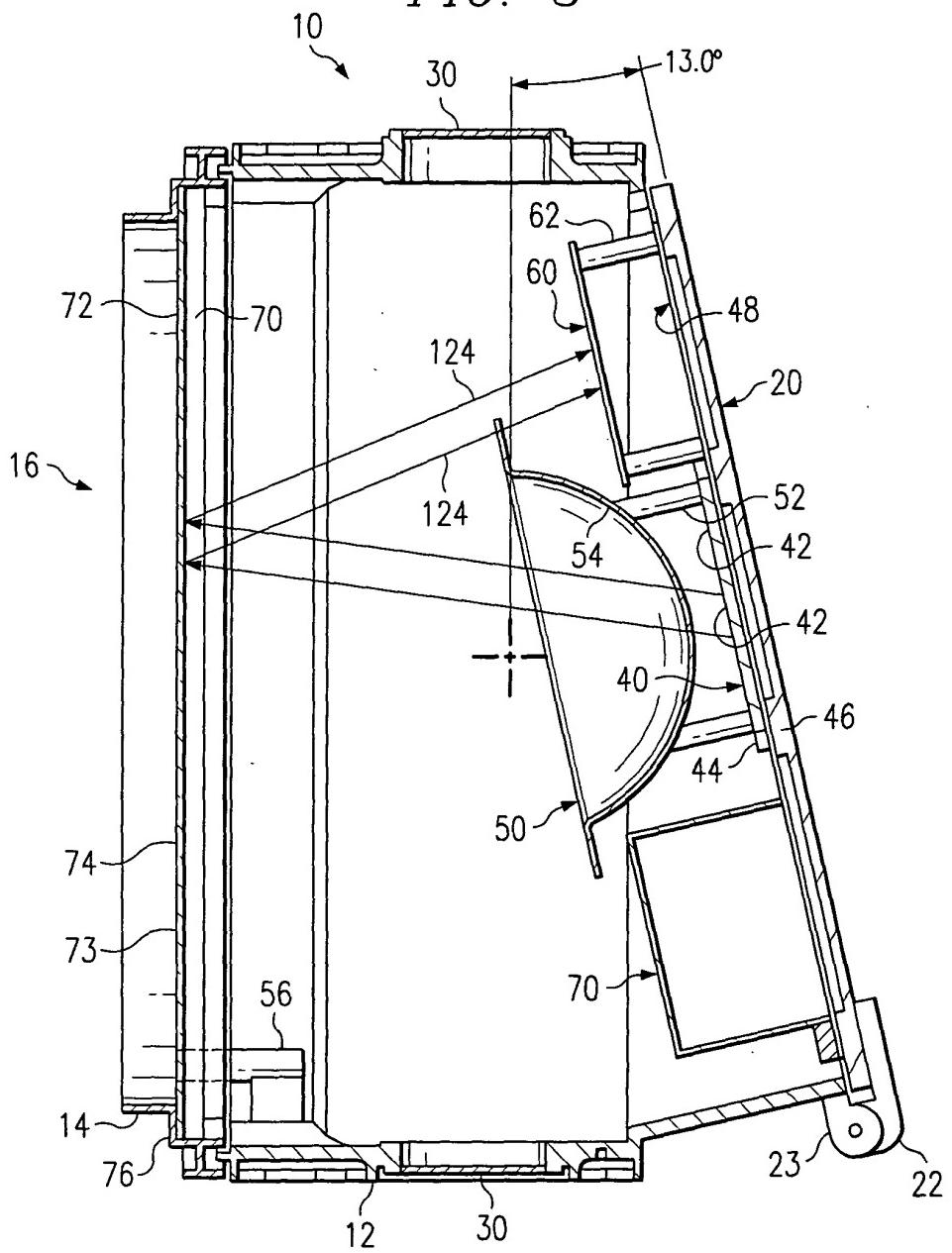


FIG. 2A



106923,00062

FIG. 3



106923,000002

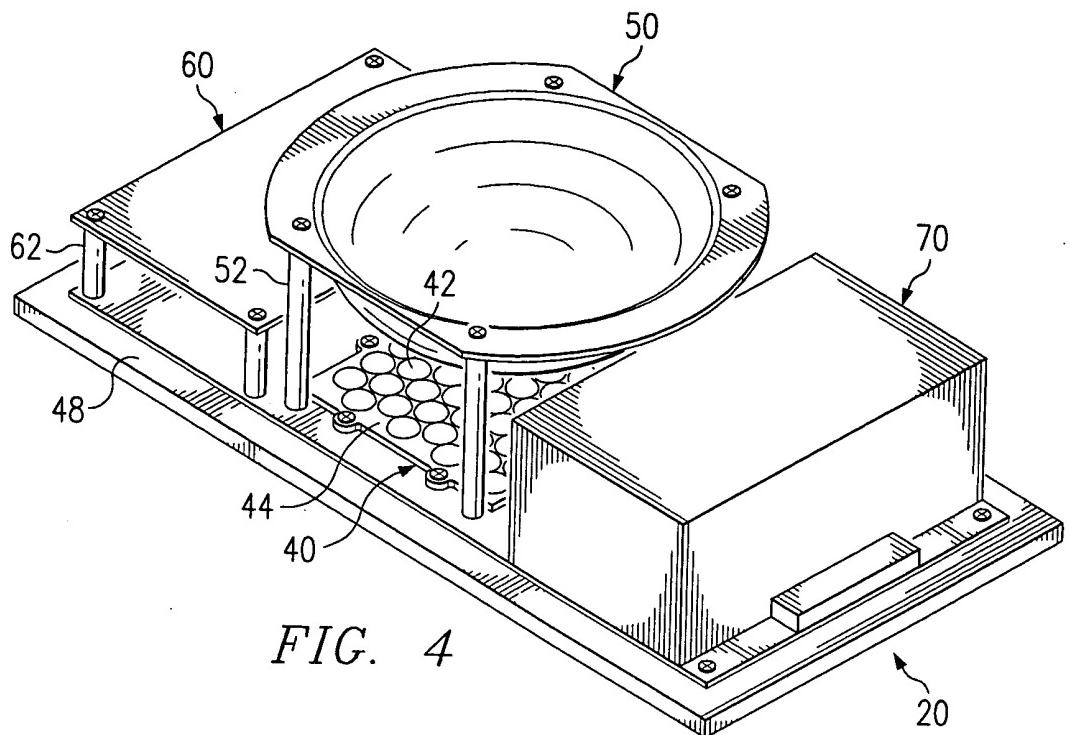


FIG. 4

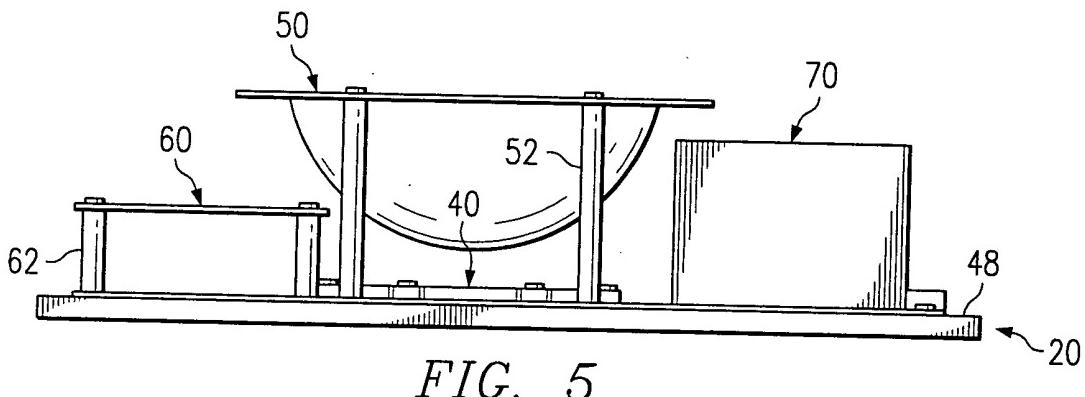


FIG. 5

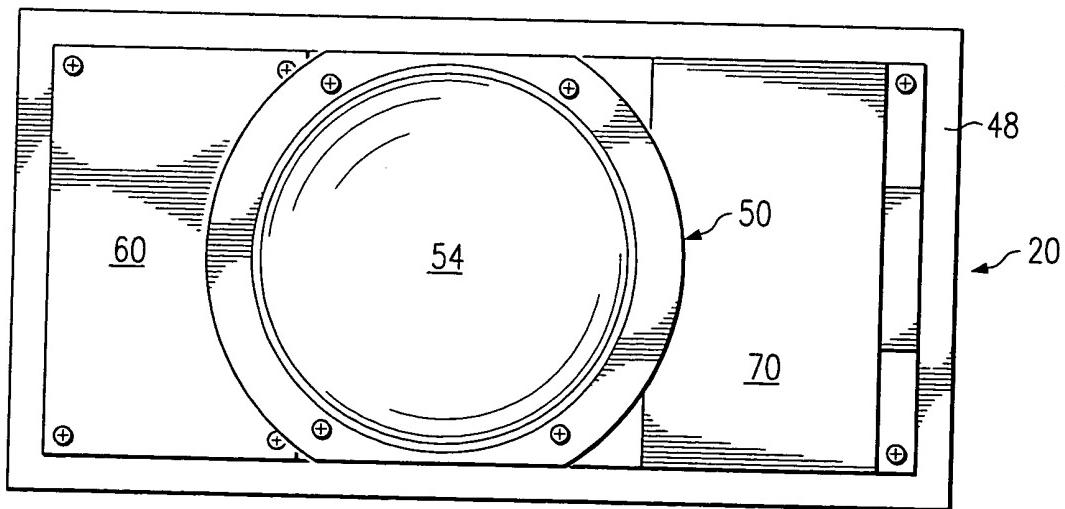


FIG. 6

106923.00062

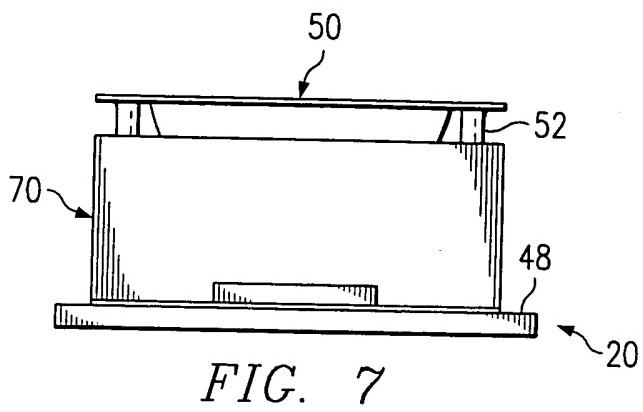


FIG. 7

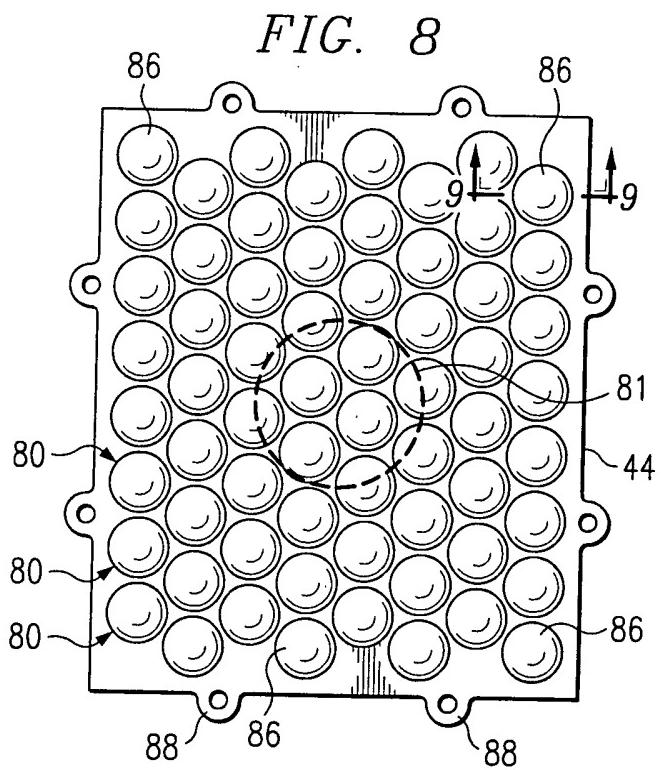


FIG. 8

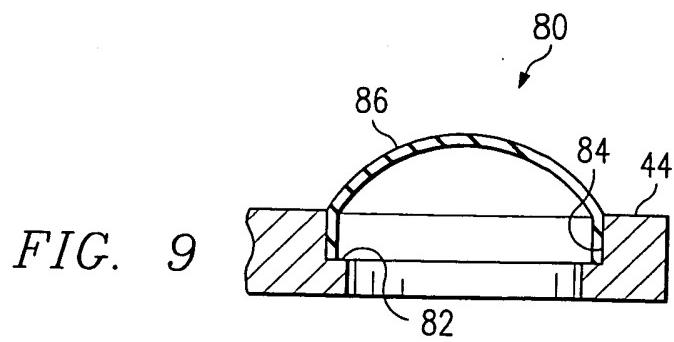


FIG. 9

106923.00062

FIG. 10

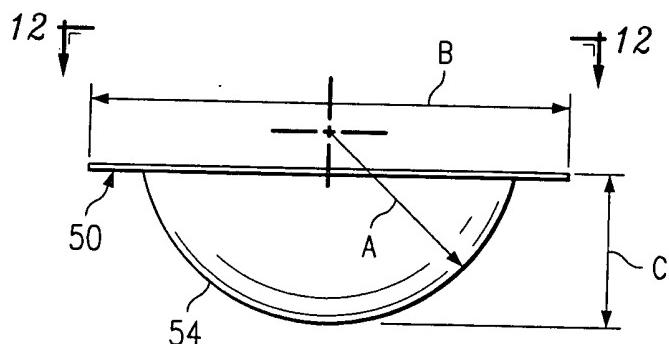
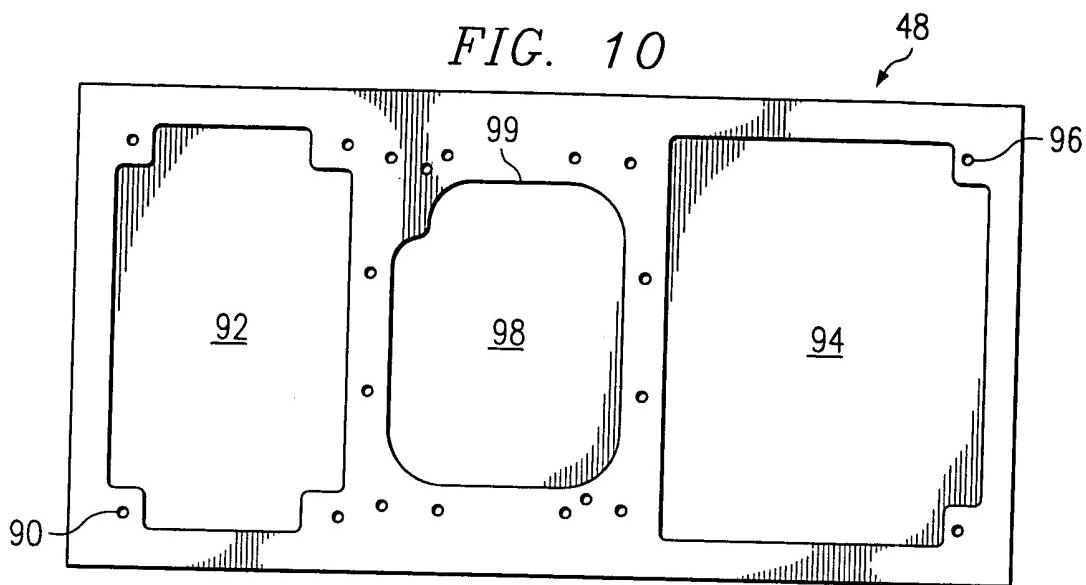


FIG. 11

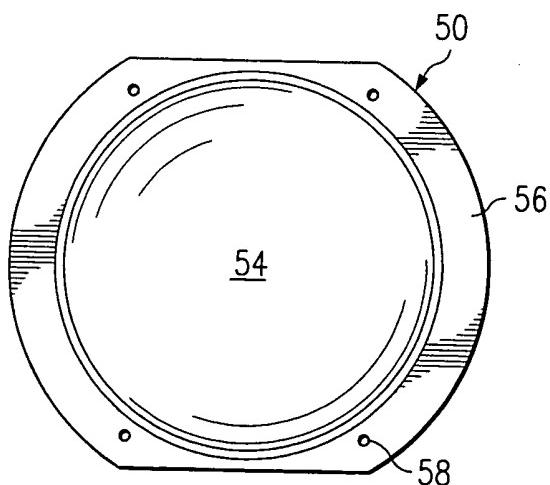


FIG. 12

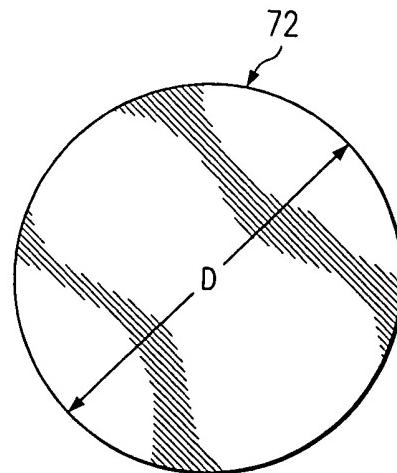


FIG. 13

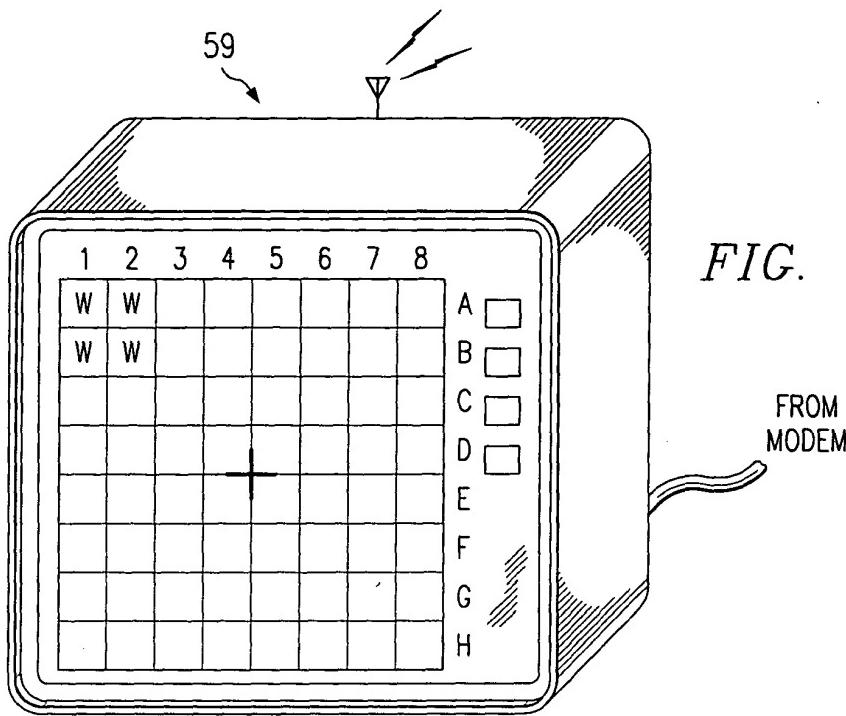


FIG. 14A

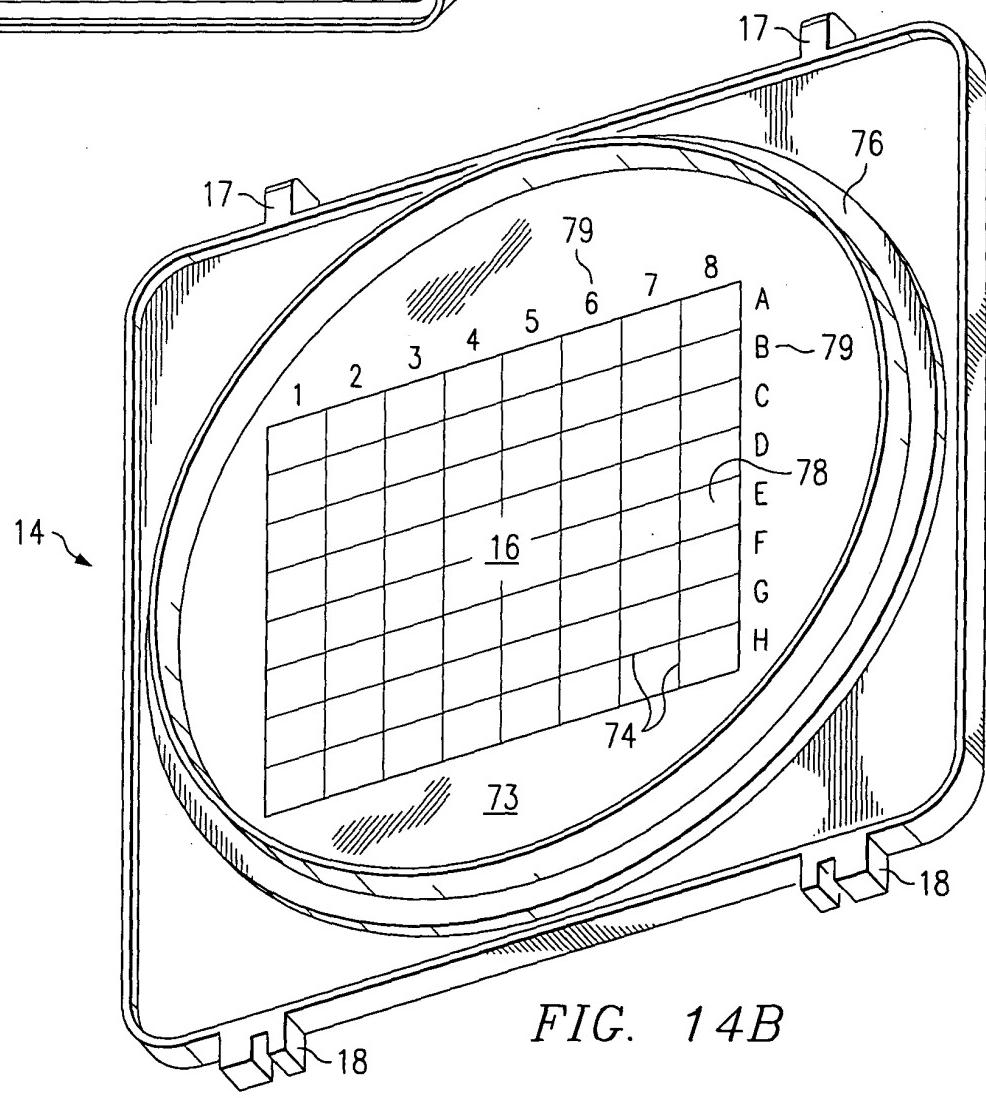


FIG. 14B

106923,00062

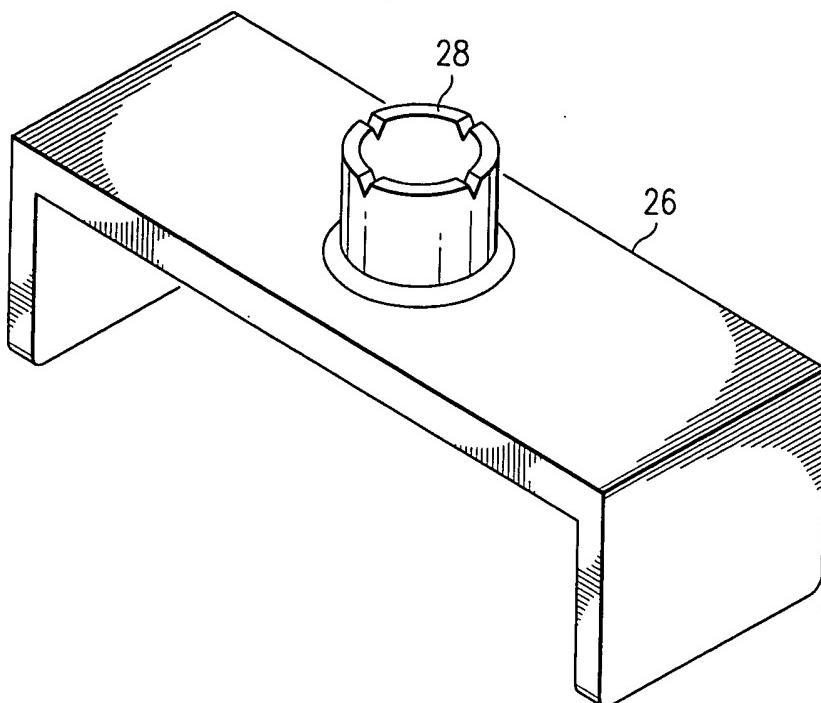


FIG. 15

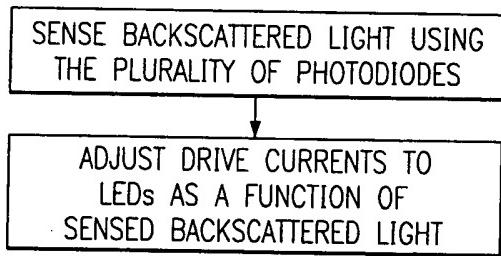


FIG. 17

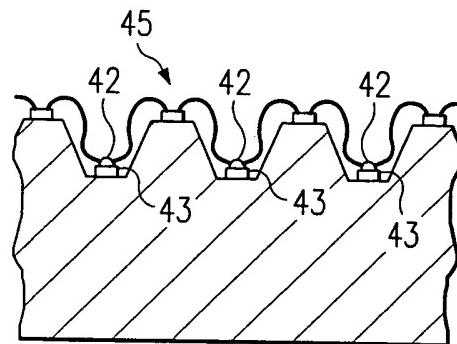


FIG. 18B

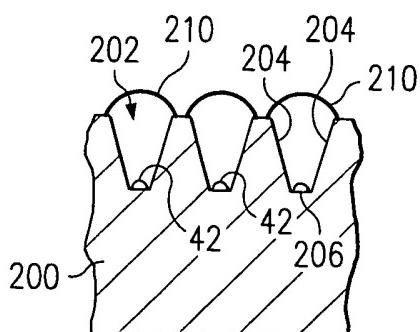


FIG. 18A

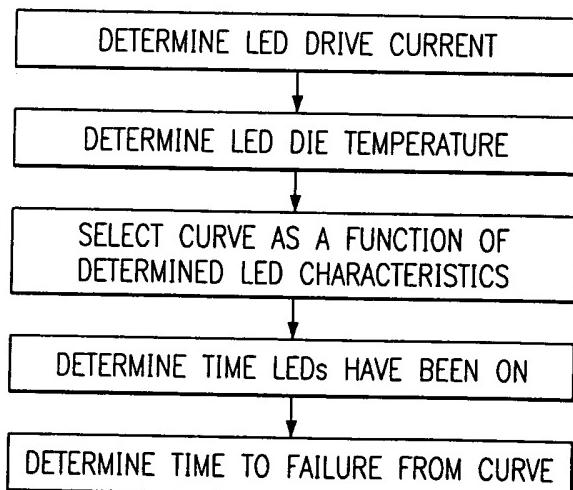


FIG. 19

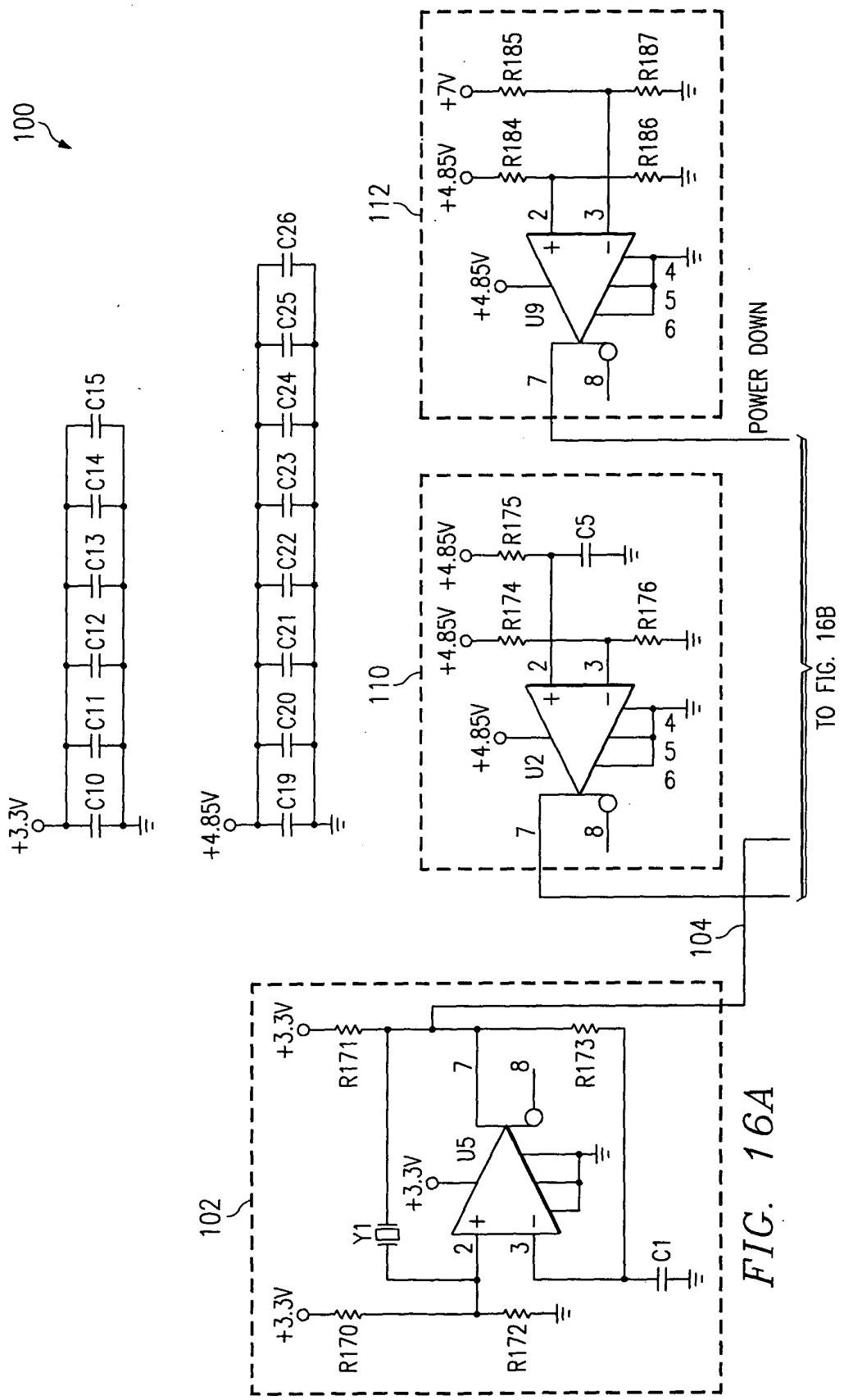


FIG. 16A

TO FIG. 16B

106923,0000e2

FIG. 16B

100

FROM FIG. 16A

TEMPERATURE
SENSOR

RF
MODEM

+3.3V

O 143

144

POWER DOWN

109

110

111

112

113

+3.3V

O 114

115

116

117

118

NC

119

120

NC

121

NC

122

+3.3V

O 123

124

+3.3V

O 125

126

+3.3V

O 127

128

+3.3V

O 129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

+3.3V

O 144

108
107
NC

10
10
10

GNDIO
VCCIO

10
10
10

10
10
10

VCCINT
GNDINT

10
10
10

GCLK1
OE1

10
10
10

GCLRN
OE2/GCLK2

10
10
10

GNDINT
VCCINT

10
10
10

GNDIO
TDI/10

10
10
10

TDI
5
6

10
10
10

7
8
9

10
11
12

10
10
10

NC
13

10
10
10

GNDIO
14

10
10
10

15

10
10
10

16

10
10
10

17

10
10
10

18

10
10
10

TO FIG. 16C

U1

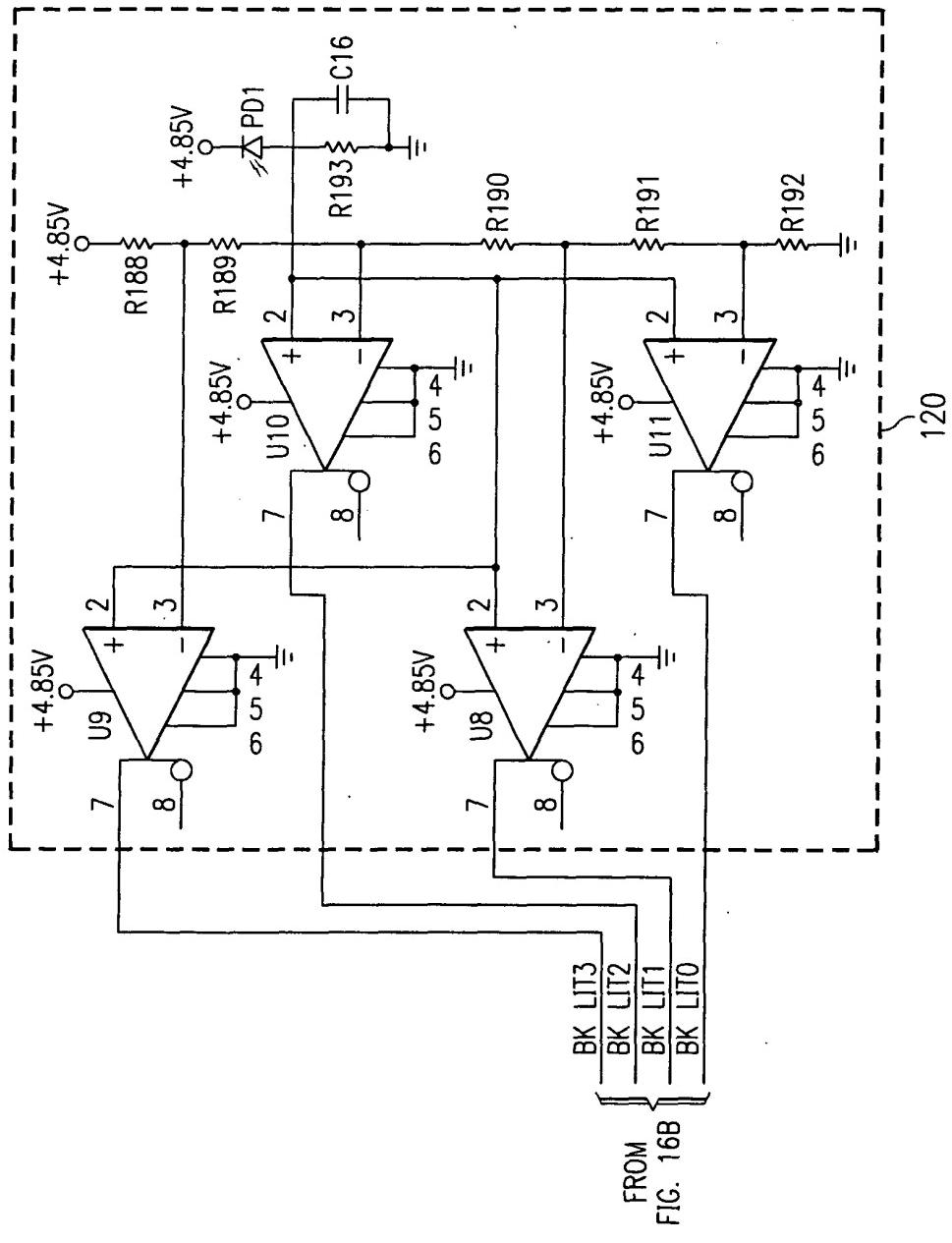
TO FIG. 16D

106923.00062

106923.00062

100

FIG. 16C



FROM
FIG. 16B

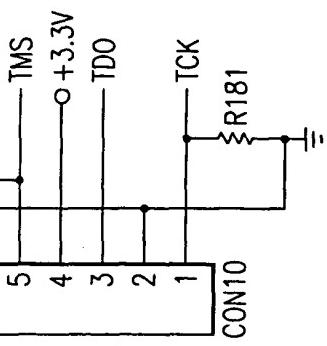
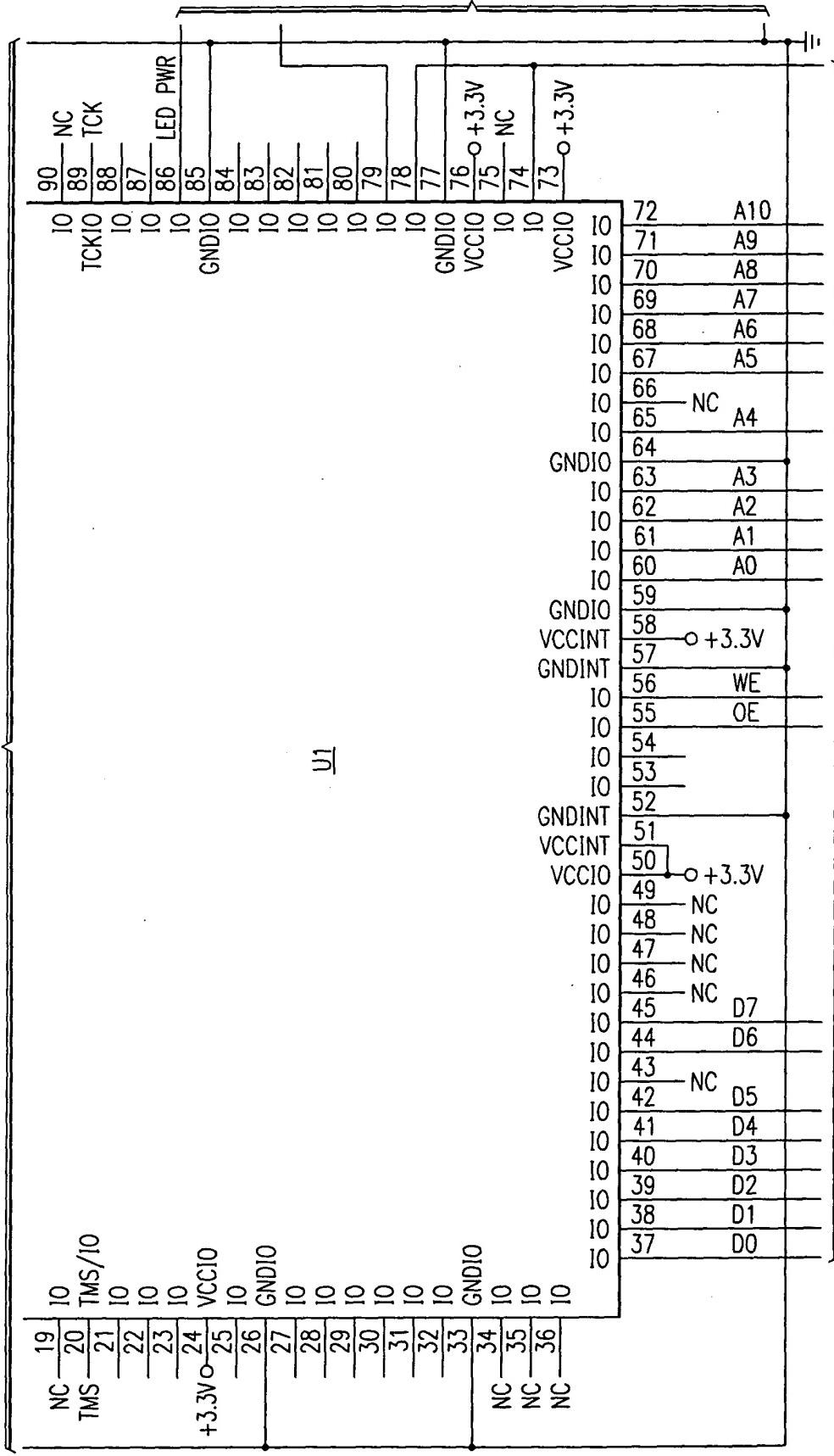


FIG. 16D

FROM FIG. 16B



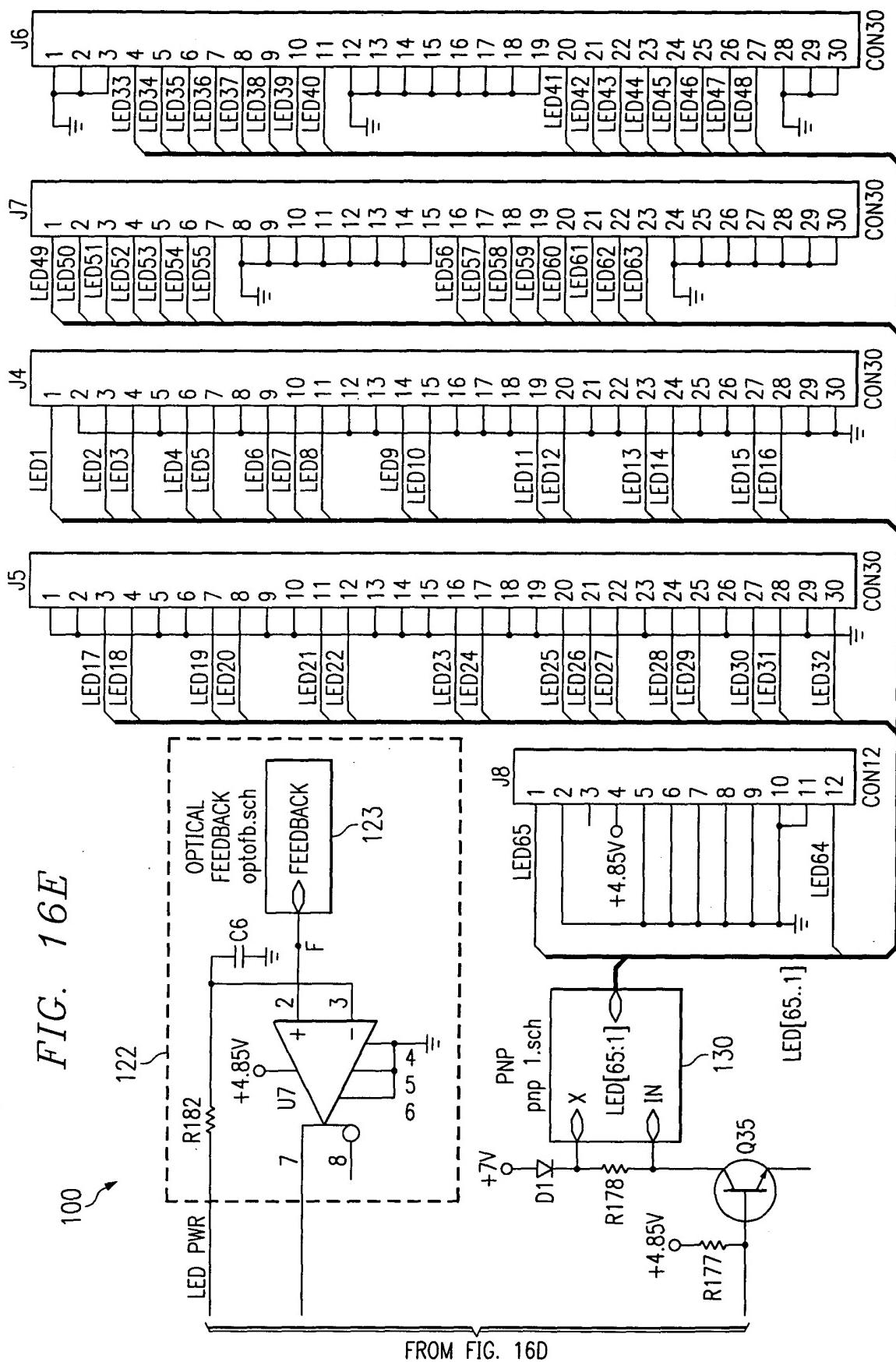
TO FIG. 16F

100

106923, 000062

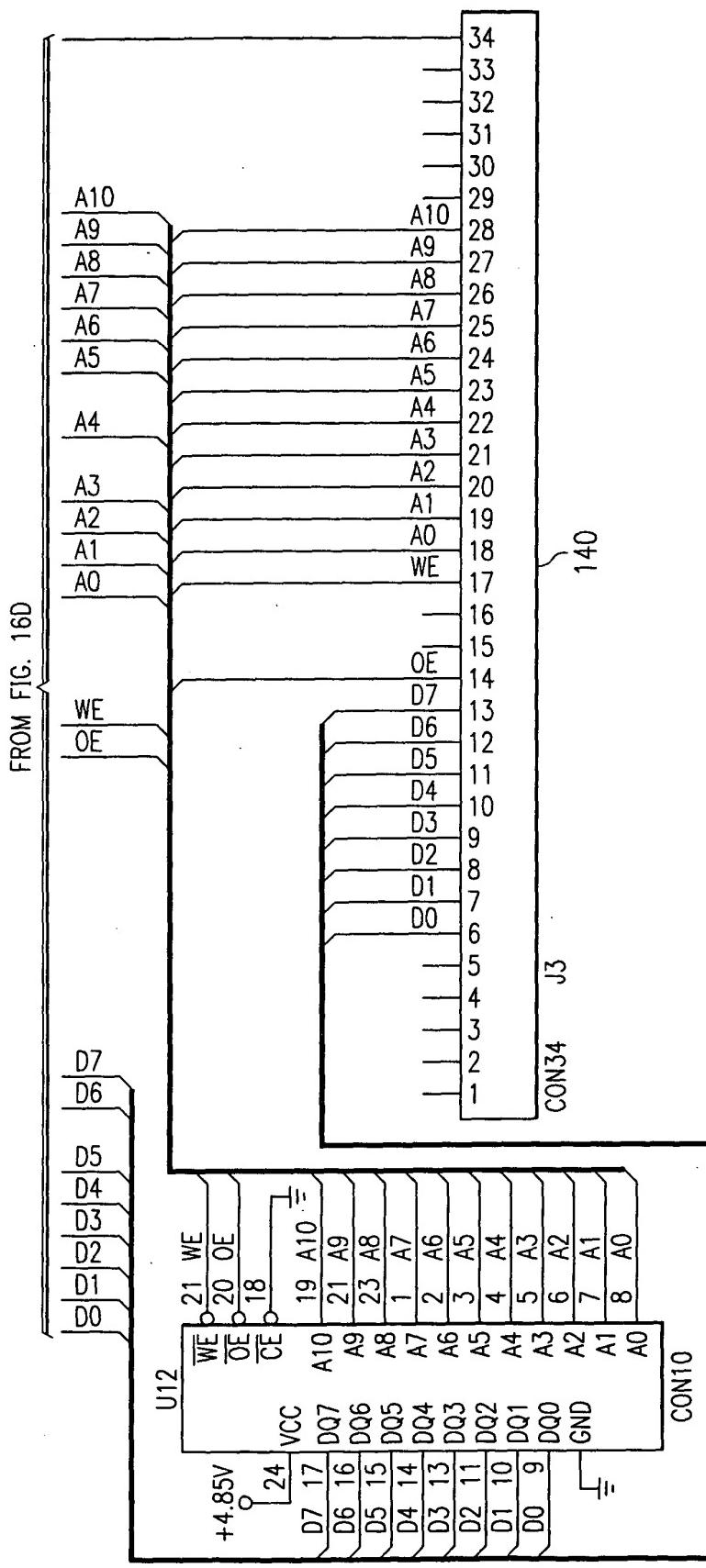
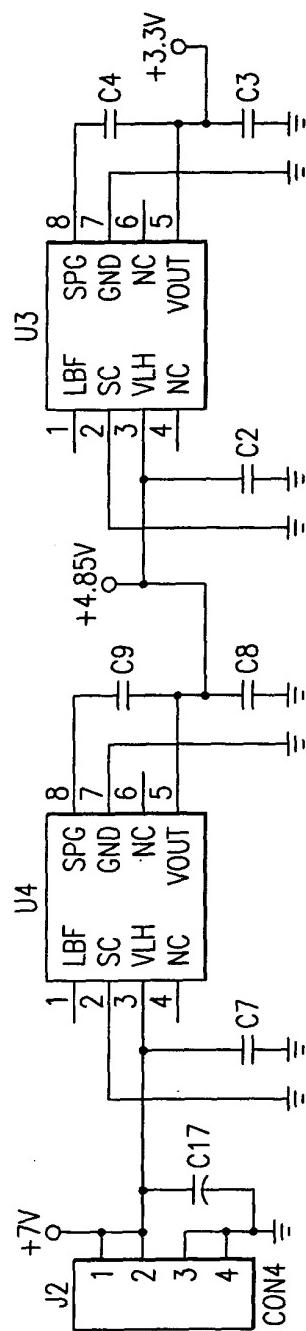
106923.00062

FIG. 16E



106923,00062

FIG. 16F



106923, 000062

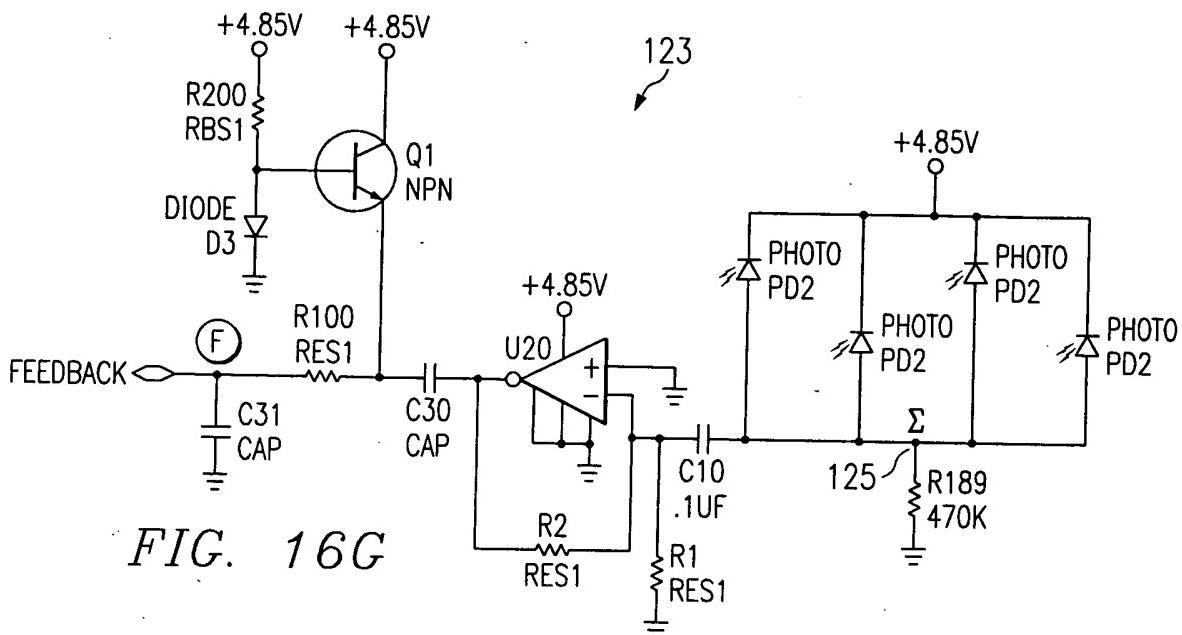


FIG. 16G



FIG. 16I

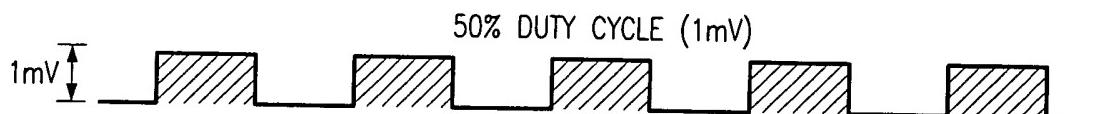


FIG. 16J

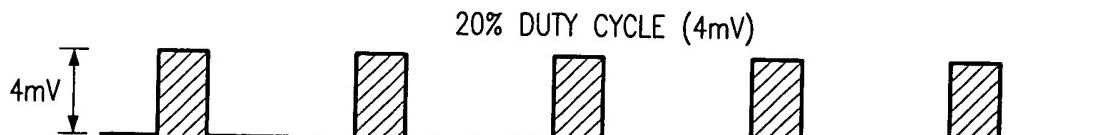
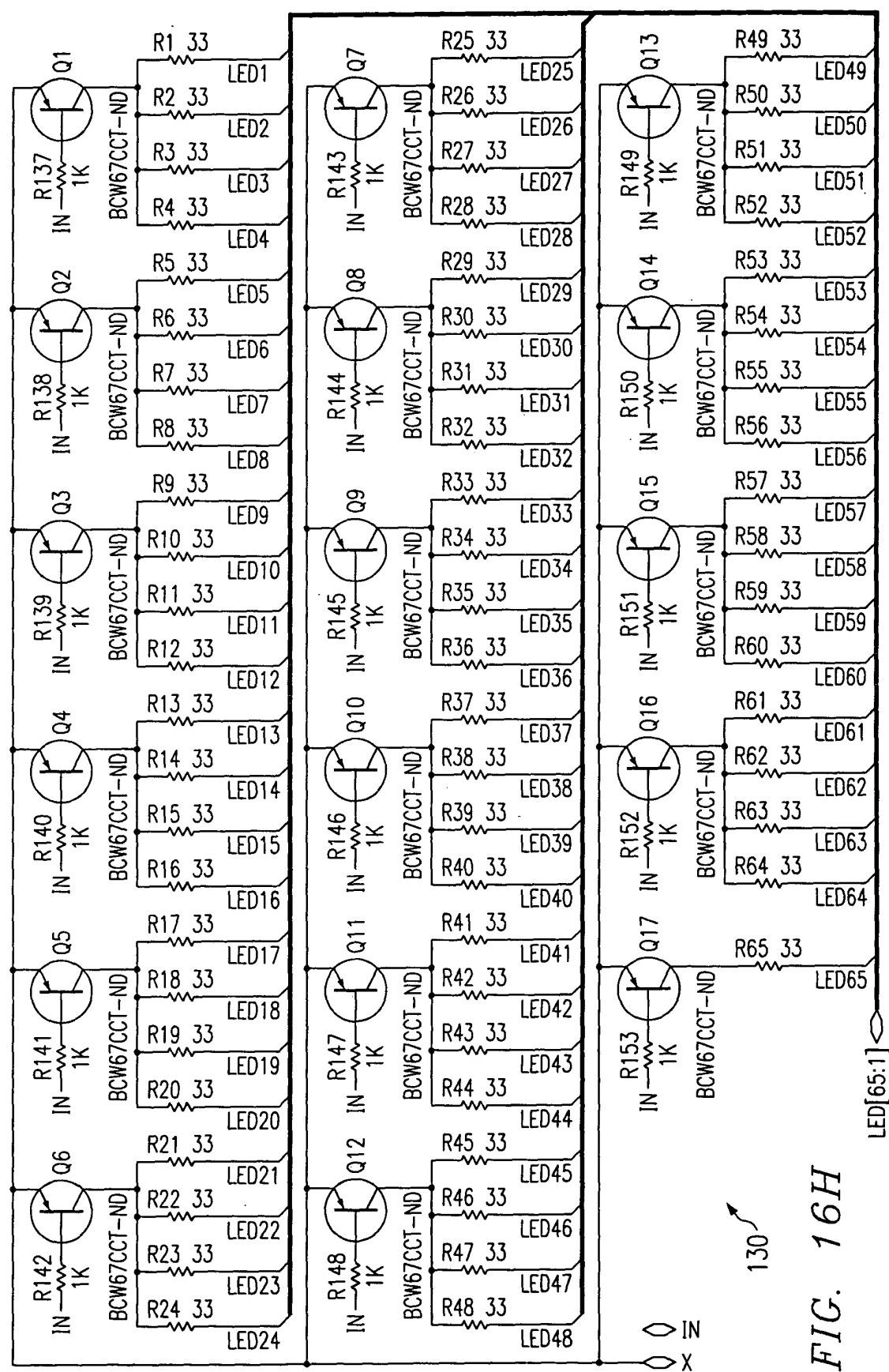


FIG. 16K

106923,00062



106923.00062

FIG. 20

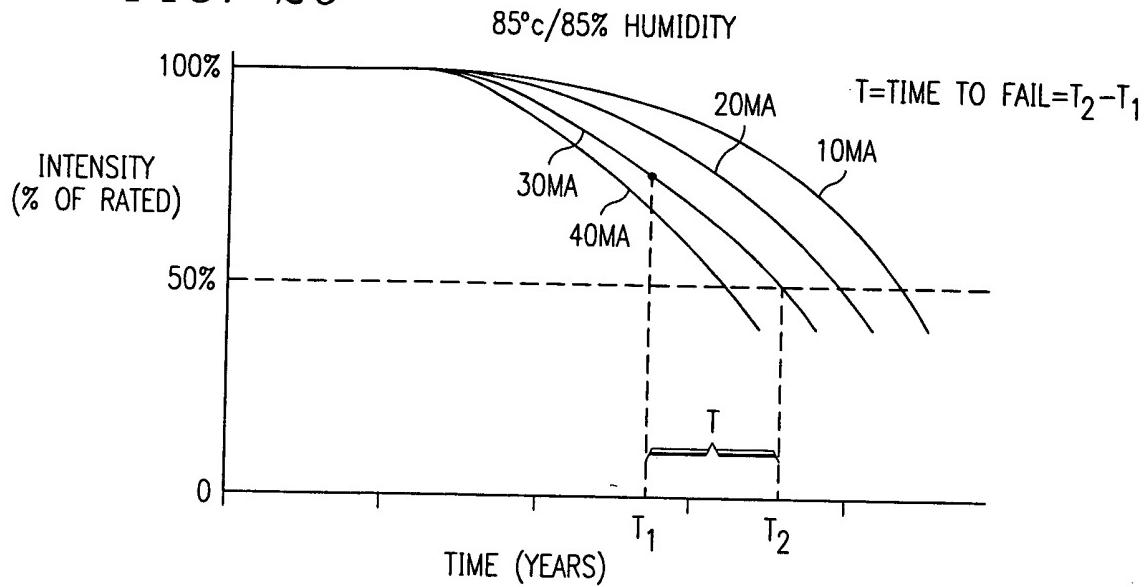
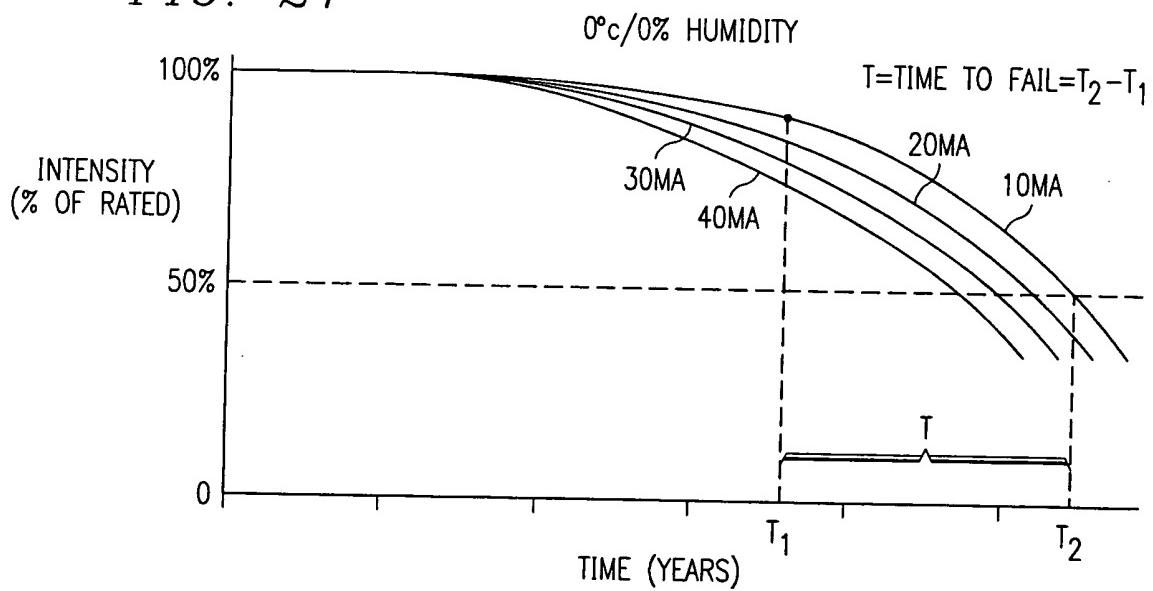
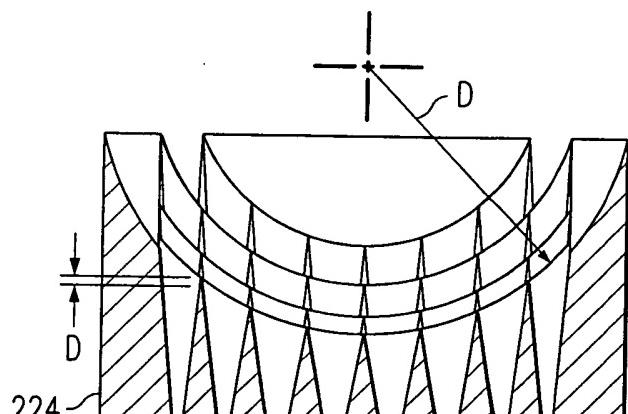
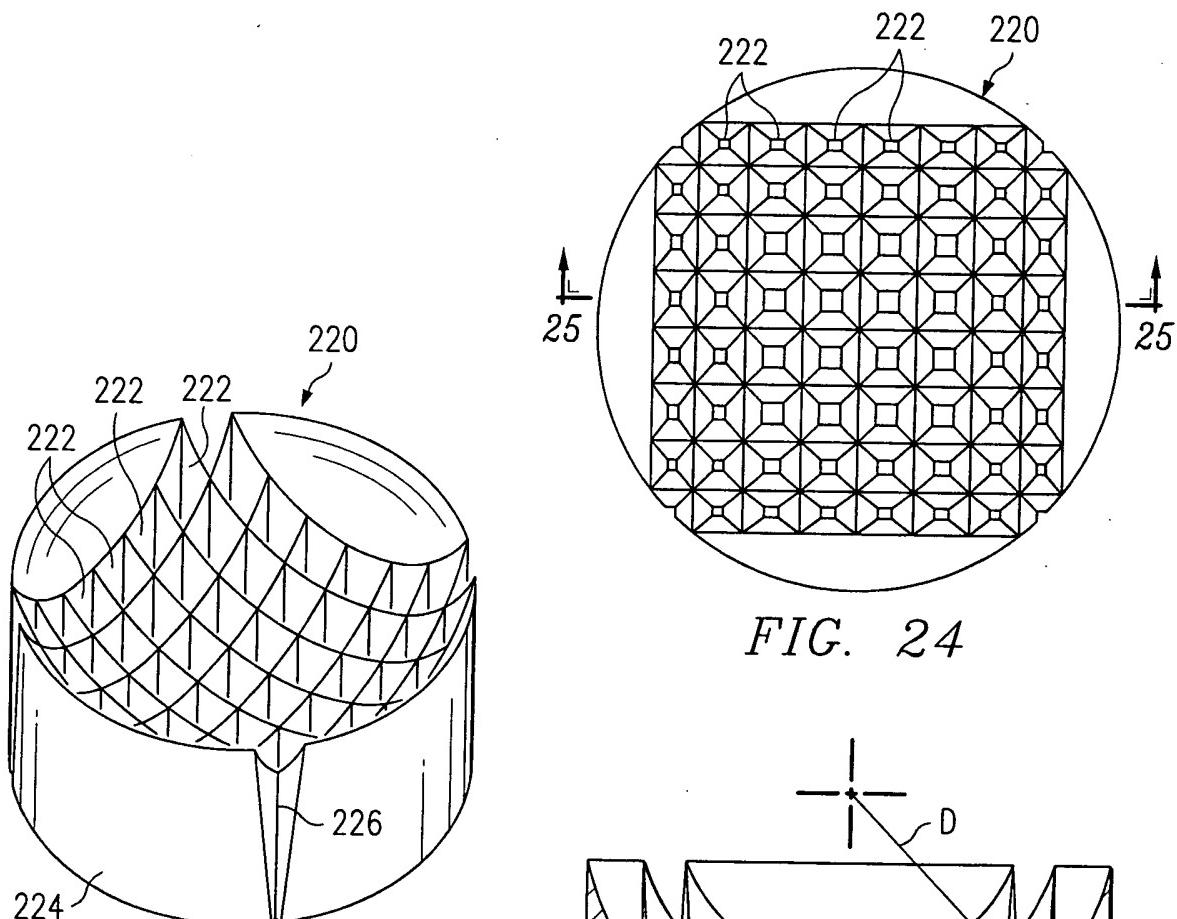
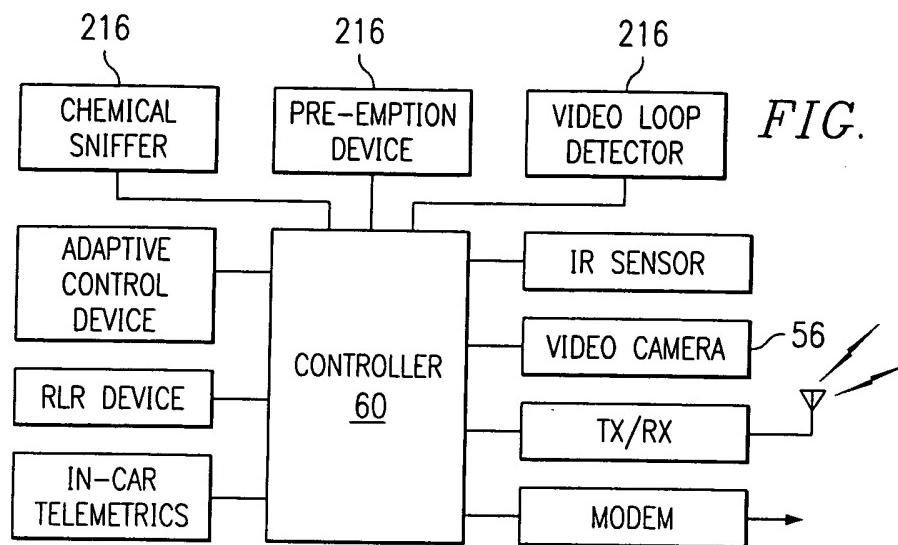


FIG. 21



106923, 000062



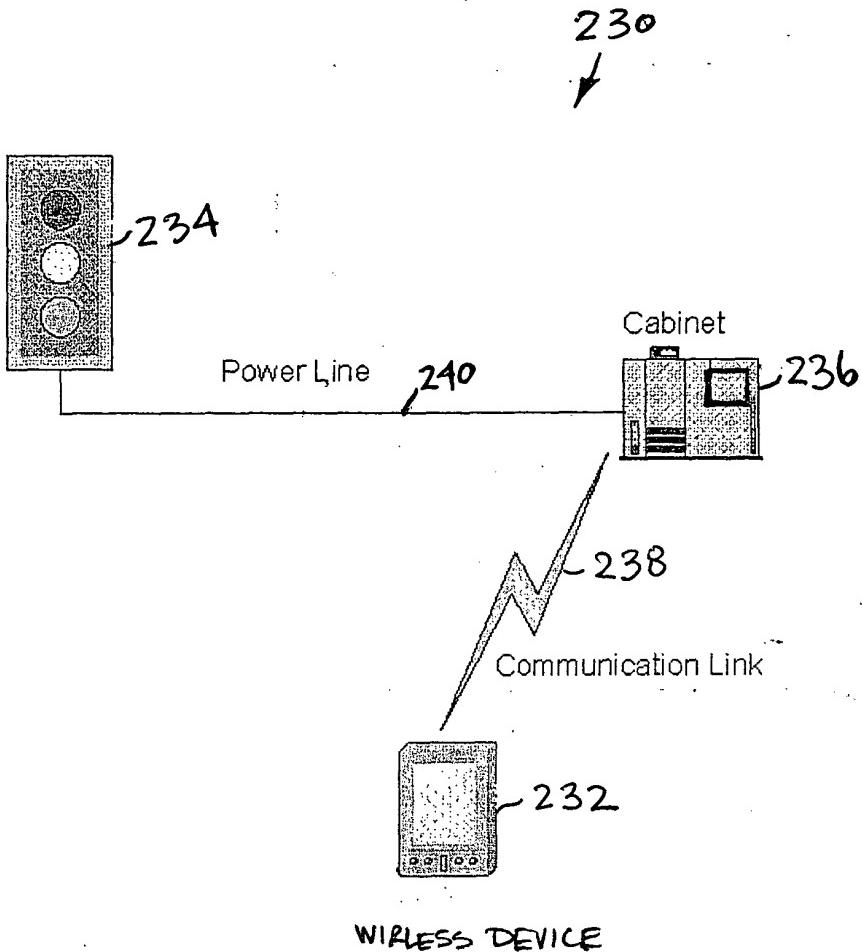


Figure 26A

106923.00062

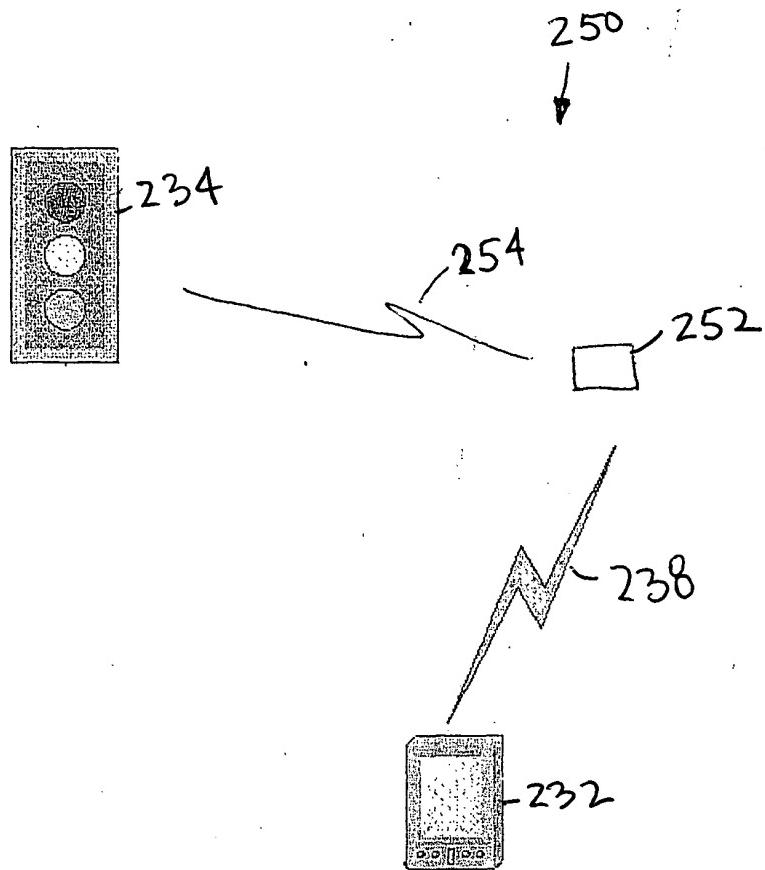
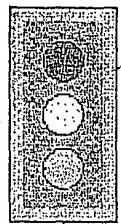


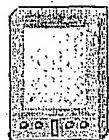
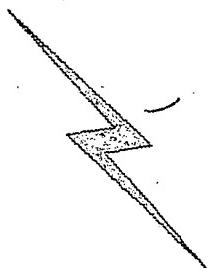
Figure 26B

106923, 00062



264

260

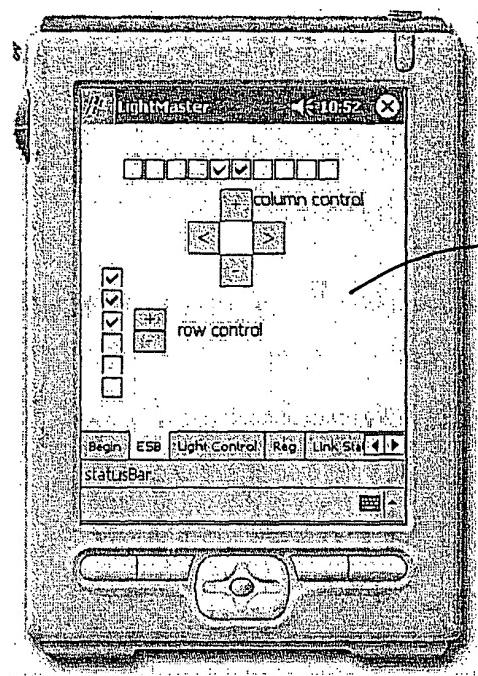
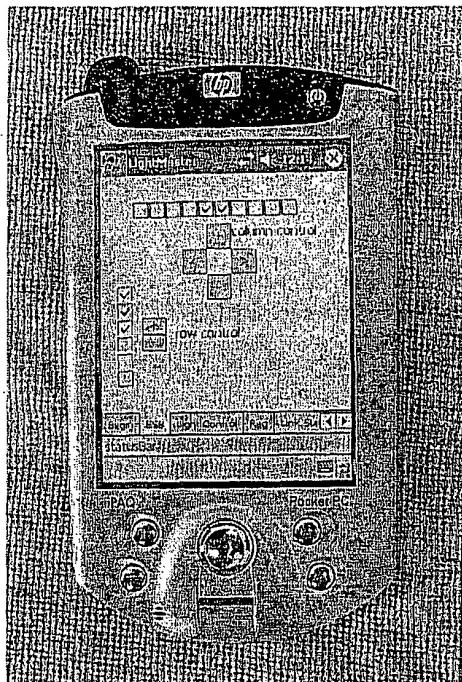


262

Figure 26C

106923.00062

292, 262



270

FIG.27

106923.00062

280

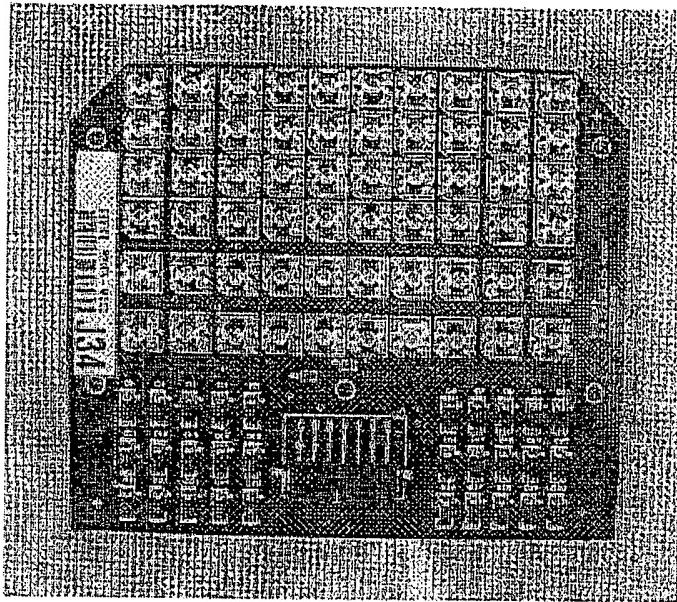


FIG.28

106923.00062

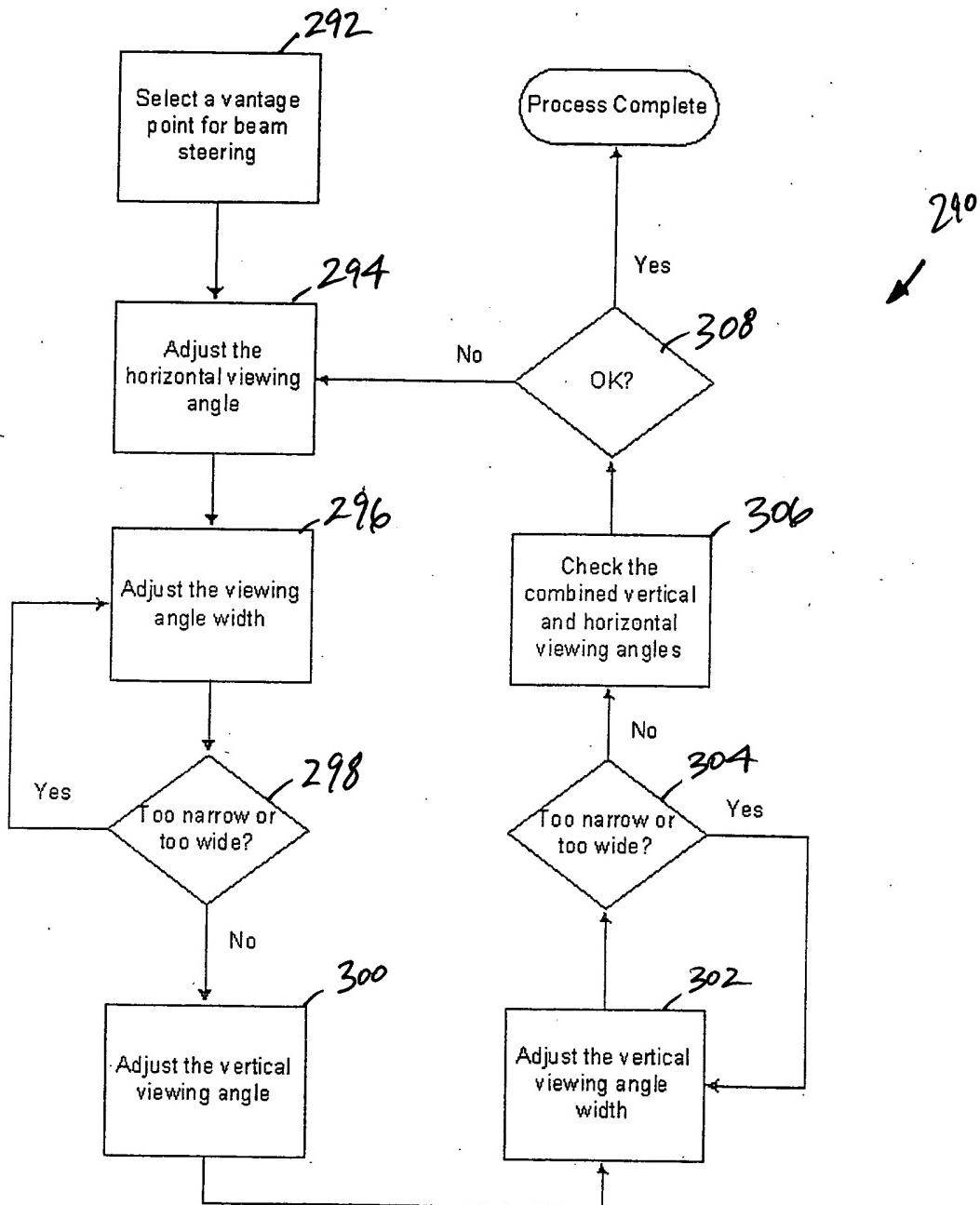


FIG. 29

106923.00062